

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number: 10/575,704  
Source: IFWP  
Date Processed by STIC: 2/10/07

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 02/10/2007

PATENT APPLICATION: US/10/575,704

TIME: 09:46:22

Input Set : R:\22337-Sequence Listing.txt

Output Set: N:\CRF4\02102007\J575704.raw

3 <110> APPLICANT: Roche Molecular Systems  
 5 <120> TITLE OF INVENTION: Method for Distinguishing AML Subtypes with Different Gene  
 6 Dosages  
 8 <130> FILE REFERENCE: 22337-US  
 10 <140> CURRENT APPLICATION NUMBER: US 10/575,704  
 C--> 11 <141> CURRENT FILING DATE: 2006-04-13  
 13 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/012469  
 14 <151> PRIOR FILING DATE: 2003-11-04  
 16 <160> NUMBER OF SEQ ID NOS: 239  
 18 <170> SOFTWARE: PatentIn version 3.4  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 491  
 22 <212> TYPE: DNA  
 23 <213> ORGANISM: Homo sapiens  
 26 <220> FEATURE:  
 27 <221> NAME/KEY: misc\_feature  
 28 <223> OTHER INFORMATION: n = any nucleotide  
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 33 aagaaacaga acactggctc aaagaaaagc aataaaaaata agagtggcaa gaaccagttt 120  
 35 aacagaggtg gtggccatag aggacgtgga ggattcaata tgcgtggtgg aaatttcaga 180  
 37 ggaggagccc ctgggaatcg tggcggatat aataggaggg gcaacatgcc acagagaggt 240  
 39 ggtggcgggtg gaggaagtgg tggaaatcggc tatccatacc ctcgtagccc tgtttttcct 300  
 41 ggccgtggta gttactcaaa cagagggaac tacaacagag gtggaatgcc caacagaggg 360  
 43 aactacaacc agaacttcag aggacgagga aacaatcgtg gctacaaaaa tcaatctcag 420  
 45 ggctacaacc agtggcagca ggtcaattc tggggtcaga agccatggag tcagcattat 480  
 47 caccaaggat a 491  
 50 <210> SEQ ID NO: 2  
 51 <211> LENGTH: 307  
 52 <212> TYPE: DNA  
 53 <213> ORGANISM: Homo sapiens  
 55 <400> SEQUENCE: 2  
 56 gaattctcca aaacaatttt ctgcaggatg attgtacaga atcattgctt atgacatgat 60  
 58 cgctttctac actgtattac ataaataaat taaataaaat aaccccgggc aagacttttc 120  
 60 tttgaaggat gactacagac attaaataat cgaagtaatt ttgggtgggg agaagaggca 180  
 62 gattcaattt tctttaacca gtctgaagtt tcatttatga tacaaaagaa gatgaaaatg 240  
 64 gaagtggcaa tataagggga tgaggaaggc atgcctggac aaacccttct ttaaatgatg 300  
 66 gtcttca 307  
 69 <210> SEQ ID NO: 3  
 70 <211> LENGTH: 519  
 71 <212> TYPE: DNA  
 72 <213> ORGANISM: Homo sapiens  
 74 <400> SEQUENCE: 3

*see p. 6*

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Input Set : E:\22337-Sequence Listing.txt

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75 gtttggaact ttaatagcgt tgcaacgaaa tcctatatcc agtttcctgt aatttaattg      60
77 aagaaaaata catccaaata aagactttat tattaacaga ccagatagca tcagaaatca      120
79 tgtgactggt atgattatca gaatatgtct taacttttta gggcaaagtt aacactgaaa      180
81 gttctagctt aagtgttgaa acttttgtgg gaaaaaaaaa tcacttttga aactcagact      240
83 tcagtgtata cccaataatt taaaattatg tgaaatgttt taaatttgtg aactcgtaat      300
85 tactgtttta atgattcagt ttcttcagag tggtaatgtt ataaaattgc tattgcagct      360
87 ttatattcaa tatgatgtgc ctgtaaacca aggagttttc cccgtttgta aaaagacatt      420
89 gtagataatt gaatgtttga ttttagaaag gtcattagtt tcttgttaca cattttgtta      480
91 gtctggtttt tgttgcttat cgggtttaat attgttctt      519
94 <210> SEQ ID NO: 4
95 <211> LENGTH: 140
96 <212> TYPE: DNA
97 <213> ORGANISM: Homo sapiens
98 <400> SEQUENCE: 4
100 ctacctatcc tgaatggtct gtcattgtct gcctttaaaa tccttctctt ttcttctctc      60
102 tctattctct aaataatgat ggggctaagt tatacccaaa gtcacttta caaaatattt      120
104 cctcagtact ttgcagaaaa      140
107 <210> SEQ ID NO: 5
108 <211> LENGTH: 425
109 <212> TYPE: DNA
110 <213> ORGANISM: Homo sapiens
111 <400> SEQUENCE: 5
113 gtcatatcat ttcactgtct aggtacaac aggattctag gtggagggtg tgcattgtgt      60
115 cctttttatc tgatctgtga ttaaagcagt aatattttta gatggactgg gaaaaacatc      120
117 aactcctgaa gttagaaata agaatggttt gtaaaatcca cagctatatc ctgatgtctg      180
119 atggtattaa tcttgtgtag tcttcaactg gttagtgtga aatagttctg ccacctctga      240
121 cgcaccactg ccaatgctgt acgtactgca tttgcccctt gagccagggt gatgtttacc      300
123 gtgtgttata taacttcctg gtccttcac tgaacatgcc tagtccaaca ttttttccca      360
125 gtgagtcaca tcctgggatc cagtgtataa atccaatatc atgtcttgtg cataattctt      420
127 ccaaaa      425
130 <210> SEQ ID NO: 6
131 <211> LENGTH: 454
132 <212> TYPE: DNA
133 <213> ORGANISM: Homo sapiens
134 <400> SEQUENCE: 6
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138 gtgggtgtct tgtgtccgct tctcgcccaa cagcagcaac cctatcatcg tctcctgtgg      120
140 ctgggacaag ctggtcaagg tatggaacct ggctaactgc aagctgaaga ccaaccacat      180
142 tggccacaca ggctatctga acacggtgac tgtctctcca gatggatccc tctgtgcttc      240
144 tggaggcaag gatggccagg ccatgttatg ggatctcaac gaaggcaaac acctttacac      300
146 gctagatggt ggggacatca tcaacgccct gtgcttcagc cctaaccgct actggctgtg      360
148 tgctgccaca ggccccagca tcaagatctg ggatttagag ggaaagatca ttgtagatga      420
150 actgaagcaa gaagttatca gtaccagcag caag      454
153 <210> SEQ ID NO: 7
154 <211> LENGTH: 373
155 <212> TYPE: DNA
156 <213> ORGANISM: Homo sapiens
157 <400> SEQUENCE: 7
159 atcagggtat ttgttccacc ttggccaggc ctctcggag aagcttgtcc cccgtgtggg      60

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161 agggacggag ccggactgga catggtcact cagtaccgcc tgcagtgtcg ccatgactga 120
163 tcatggctct tgcatttttg ggtaaatgga gacttccgga tcctgtcagg gtgtccccc 180
165 tgcctggaag aggagctggt ggctgccagc cctggcgccg gcacagcctg ggccctcccct 240
167 tccctcaagc cagggctcct cctcctgtcg tgggctcatt tgccaggctc aggccaggctc 300
169 tggacagctg tgactctcct caagccagga ctaccgacca gccggctatg ggcacattac 360
171 gtgaccactg gcc 373
174 <210> SEQ ID NO: 8
175 <211> LENGTH: 494
176 <212> TYPE: DNA
177 <213> ORGANISM: Homo sapiens
179 <400> SEQUENCE: 8
180 agtgccgaca ggacgggtcat tgattacaac ggggaacgca cgctggatgg ttttaagaaa 60
182 ttcctagaga gcgggtggcca agatggggca ggggatgttg acgacctga ggacctcgaa 120
184 gaagcagagg agccagacat ggaggaagac gatgaccaga aagctgtgaa agatgaactg 180
186 taatacgaag agccggaccc gggcgctgcc gagaccctc gggggctgca caccagcag 240
188 cagcgcacgc ctccgaagcc tgcggcctcg cttgaaggag ggcgctcgcc gaaacccaag 300
190 gaacctctct gaagtgcacac ctcaccctta cacaccgtcc gttcacccc gtctcttct 360
192 tctgcttttc gggttttgga aaacccggat cctactctag gcagcccacc ttgggtgggct 420
194 tgtttcctga aaccatgatg tactttttca tactatgagtc tgtccagagt gcttgctacc 480
196 gtgttcggag tctc 494
199 <210> SEQ ID NO: 9
200 <211> LENGTH: 434
201 <212> TYPE: DNA
202 <213> ORGANISM: Homo sapiens
204 <400> SEQUENCE: 9
205 cctacttcgg tatctatgac actgcaaagg gaatgcttcc ggatcccaag aacactcaca 60
207 tcgtcatcag ctggatgatc gcacagactg tcactgctgt tgccgggttg acttctatc 120
209 catttgacac cgttcgccgc cgcattgatga tgcagtcagg gcgcaaagga actgacatca 180
211 tgtacacagg cagccttgac tgctggcgga agattgctcg tgatgaagga ggcaaagctt 240
213 ttttcaaggg tgcattgtcc aatgttctca gaggcattgg ttgtgctttt gtgcttgtct 300
215 tgtatgatga aatcaagaag tacacataag ttatttctta ggatttttcc ccctgtgaac 360
217 aggcattgtt tattctataa cacaatcttg agcattcttg acagactcct ggctgtcagt 420
219 ttctcagtgg caac 434
222 <210> SEQ ID NO: 10
223 <211> LENGTH: 416
224 <212> TYPE: DNA
225 <213> ORGANISM: Homo sapiens
227 <400> SEQUENCE: 10
228 gttggttcaa acttttggga gcacggactg tcagttctct gggaagtggc cagcgcattcc 60
230 tgcagggtct ctctctctct gtcttttgga gaaccagggc tcttctcagg ggctctaggg 120
232 actgccaggc tgtttcagcc aggaaggcca aaatcaagag tgagatgtag aaagttgtaa 180
234 aatagaaaaa gtggagtggg tgaatcggtt gttctttcct cacatttggg tgattgtcat 240
236 aaggttttta gcatgttctt ccttttcttc accctcccct ttgttcttct attaatcaag 300
238 agaaacttca aagttaattg gatggctcga tctcacaggc tgagaactcg ttcacctcca 360
240 agcatttcat gaaaaagctg cttcttatta atcatacaaa ctctcaccat gatgtg 416
243 <210> SEQ ID NO: 11
244 <211> LENGTH: 415
245 <212> TYPE: DNA
246 <213> ORGANISM: Homo sapiens

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Input Set : E:\22337-Sequence Listing.txt

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248 <400> SEQUENCE: 11
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251 agaccgatat gtcaaaatta agcgtaactg gcggaaaccc agaggcattg acaacaggggt      120
253 tcgtagaaga ttcaagggcc agatcttgat gccaacatt ggttatggaa gcaacaaaaa      180
255 aacaaagcac atgctgcccc gtggcttccg gaagttcctg gtccacaacg tcaaggagct      240
257 ggaagtgtct ctgatgtgca acaaattctta ctgtgccgag atcgctcaca atgtttcctc      300
259 caagaaccgc aaagccatcg tggaaagagc tgcccaactg gccatcagag tcaccaaccc      360
261 caatgccagg ctgcgcagtg aagaaaatga gtaggcagct catgtgcacg ttttc      415
264 <210> SEQ ID NO: 12
265 <211> LENGTH: 423
266 <212> TYPE: DNA
267 <213> ORGANISM: Homo sapiens
269 <400> SEQUENCE: 12
270 aataatttat tcccacatct acatcagtga aagctatcta cctatcctga gtctatctta      60
272 aaggaaaaaa agaaaaaac cttatctctt gcccttattt tgaattttcc actctttcat      120
274 taatttggtt taagctcctg ttggaaaaaa aggggtagtg cattttaaat tgaccttcat      180
276 acgtttttta aataagacaa atctacttga taatgtacct ttatttgatc tcaagttgta      240
278 taaaaccaat aaatttggtg tactgcagta gtaatcttat gcacacggtg atttcatgtt      300
280 atatatgcaa agtaggcaac tgttttctta gttacagaag tttcaagctt cacttttggt      360
282 cagtagaaac aaaagtaggc tacagtctgt gccatgttga tgtacagttt ctgaaattgt      420
284 ttt      423
287 <210> SEQ ID NO: 13
288 <211> LENGTH: 358
289 <212> TYPE: DNA
290 <213> ORGANISM: Homo sapiens
292 <400> SEQUENCE: 13
293 tgcttctgga cacctgggac caggtctttg tctgggttgg aaaggattct caagaagaag      60
295 aaaagacaga agccttgact tctgctaagc ggtacatcga gacggacca gccaatcggg      120
297 atcggcggac gcccatcacc gtgggtgaagc aaggctttga gcctccctcc tttgtgggct      180
299 gggttccttg ctgggatgat gattactggt ctgtggaccc cttggacagg gccatggctg      240
301 agctggctgc ctgaggaggg gcagggccca cccatgtcac cggtcagtgc cttttggaac      300
303 tgtccttccc tcaaagaggc cttagagcga gcagagcagc tctgctatga gtgtgtgt      358
306 <210> SEQ ID NO: 14
307 <211> LENGTH: 529
308 <212> TYPE: DNA
309 <213> ORGANISM: Homo sapiens
311 <400> SEQUENCE: 14
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314 gggaaagaag ctcagtttgc cagcataagt gccaaagacc atcaccagca tctgtccttc      120
316 agggtgctcg gacagaattc ttaccacagc aaaggcataa gatgcttgat acggaaaatc      180
318 agaaacttaa ctcttttggt gcagatagtc atcagtggtc ctgtaaaaac gcagaggaaa      240
320 agagccagaa ggtttctggt taatgcatct tgccttatct ttttttatta ctgtgtacaa      300
322 agattttttt acacaaagaa acttaattgt gtattaataa attcagtgtg tagcttcaat      360
324 tgggatagtt ccaaaagtga agattttgtg aggaataagt gcaaattttt tttttatttt      420
326 aaaaaattct ttgaaactct taagtctttg tgtctgcaat gaaattgtac tccttgacag      480
328 ttgatagatt atgtattctt ccattccctca aacttgcatt ccactatat      529
331 <210> SEQ ID NO: 15
332 <211> LENGTH: 529
333 <212> TYPE: DNA

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Input Set : E:\22337-Sequence Listing.txt

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339 ggctgcccga atttgtgcca ataagtacat ggtaaaaagt tgtggcaaag atggcttcca      120
341 tatccgggtg cggctccacc ccttccacgt catccgcac aacaagatgt tgtcctgtgc      180
343 tggggctgac aggtccaaa caggcatgcg aggtgccttt ggaaagcccc agggcactgt      240
345 ggccaggggt cacattggcc aagttatcat gtccatccgc accaagctgc agaacaagga      300
347 gcatgtgatt gaggccctgc gcagggccaa gttcaagttt cctggccgcc agaagatcca      360
349 catctcaaag aagtggggct tcaccaagtt caatgctgat gaatttgaag acatggtggc      420
351 tgaaaagcgg ctcatcccag atggctgtgg ggtcaagtac atccccagtc gtggccctct      480
353 ggacaagtgg cgggccctgc actcatgagg gcttccaatg tgctgcccc      529
356 <210> SEQ ID NO: 16
357 <211> LENGTH: 393
358 <212> TYPE: DNA
359 <213> ORGANISM: Homo sapiens
361 <400> SEQUENCE: 16
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364 gtgggctgct ctgttcataa gggctttgcc ttcgttcagt atgttaatga gagaaatgcc      120
366 cgggctgctg tagcaggaga ggatggcaga atgattgctg gccaggtttt agatattaac      180
368 ctggctgcag agccaaaagt gaaccgagga aaagcaggtg tgaaacgac tgcagcggag      240
370 atgtacggct cctcttttga cttggactat gactttcaac gggactatta tgataggatg      300
372 tacagttacc cagcacgtgt acctcctcct cctcctattg ctgggctgt agtgccctcg      360
374 aaacgtcagc gtgtatcagg aaacacttca cga      393
377 <210> SEQ ID NO: 17
378 <211> LENGTH: 496
379 <212> TYPE: DNA
380 <213> ORGANISM: Homo sapiens
382 <400> SEQUENCE: 17
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385 gccaggata atgtaacttc accccagcct ttgtactaag ctcttgatag tggatatact      120
387 cttttaagtt tagccccaat atagggtaat ggaaatttcc tgccctctgg gttccccatt      180
389 tttactatta agaagaccag tgataattta ataatgccac caactctggc ttagttaagt      240
391 gagagtgtga actgtgtggc aagagagcct cacacctcac taggtgcaga gagcccaggc      300
393 cttatgttaa aatcatgcac ttgaaaagca aaccttaatc tgcaaagaca gcagcaagca      360
395 ttatacggtc atcttgaatg atccctttga aatttttttt ttgtttgttt gtttaaataca      420
397 agcctgaggc tgggtgaacag tagctacaca cccatattgt gtgttctgtg aatgctagct      480
399 ctcttgaatt tggata      496
402 <210> SEQ ID NO: 18
403 <211> LENGTH: 534
404 <212> TYPE: DNA
405 <213> ORGANISM: Homo sapiens
407 <400> SEQUENCE: 18
408 aggtgcagaa tctcggcggg gagcttgttg tctctggggg ggacagcgcc atgtccctga      60
410 tccaggcagc caagaacttg atgaatgctg tgggtgcagac agtgaaggca tcctacgtcg      120
412 cctctaccaa ataccaaaag tcacagggta tggcttcctt caaccttcct gctgtgtcat      180
414 ggaagatgaa ggcaccagag aaaaagccat tgggtgaagag agagaaacag gatgagacac      240
416 agaccaagat taaacgggca tctcagaaga agcacgtgaa cccggtgcag gccctcagcg      300
418 agttcaaagc tatggacagc atctaagtct gccagggccg gccgccccca cccctcgggg      360
420 ctctgaata tcagtcactg ttcgtcactc aatatgaattt gctaaatata aactgatac      420

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/575,704

DATE: 02/10/2007  
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*PMI*

Input Set : E:\22337-Sequence Listing.txt  
Output Set: N:\CRF4\02102007\J575704.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:26; N Pos. 174,389  
Seq#:32; N Pos. 36  
Seq#:33; N Pos. 105,112,127,141  
Seq#:40; N Pos. 35  
Seq#:55; N Pos. 34,104,141,152,174,177,197,202,204,206,232,235,244,271,303  
Seq#:55; N Pos. 312,315,349,354,384,389,400,407,415,423,499  
Seq#:72; N Pos. 37,177  
Seq#:86; N Pos. 297,298  
Seq#:96; N Pos. 321,322  
Seq#:122; N Pos. 231  
Seq#:124; N Pos. 287  
Seq#:156; N Pos. 277  
Seq#:160; N Pos. 76  
Seq#:163; N Pos. 66  
Seq#:165; N Pos. 190,191,192,194,195,196,197,198,199,200,308  
Seq#:191; N Pos. 182,475,514,515  
Seq#:209; N Pos. 148  
Seq#:216; N Pos. 57,58,59,183,303,305,316,389,404

## VERIFICATION SUMMARY

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Input Set : E:\22337-Sequence Listing.txt

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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:120  
L:614 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:360  
L:744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0  
L:775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:60  
L:777 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:120  
L:936 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0  
L:1295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:70  
L:1297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:60  
L:1299 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:120  
L:1301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:180  
L:1303 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:240  
L:1305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:300  
L:1307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:360  
L:1309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:420  
L:1311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:480  
L:1684 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:0  
L:1688 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:120  
L:2002 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86 after pos.:240  
L:2240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:300  
L:2836 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:180  
L:2894 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:124 after pos.:240  
L:3644 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:156 after pos.:240  
L:3744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:160 after pos.:60  
L:3825 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:163 after pos.:60  
L:3881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:165 after pos.:180  
L:3885 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:165 after pos.:300  
L:4503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191 after pos.:180  
L:4511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191 after pos.:420  
L:4513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191 after pos.:480  
L:4947 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:209 after pos.:120  
L:5124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216 after pos.:0  
L:5130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216 after pos.:180  
L:5134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216 after pos.:300  
L:5136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216 after pos.:360